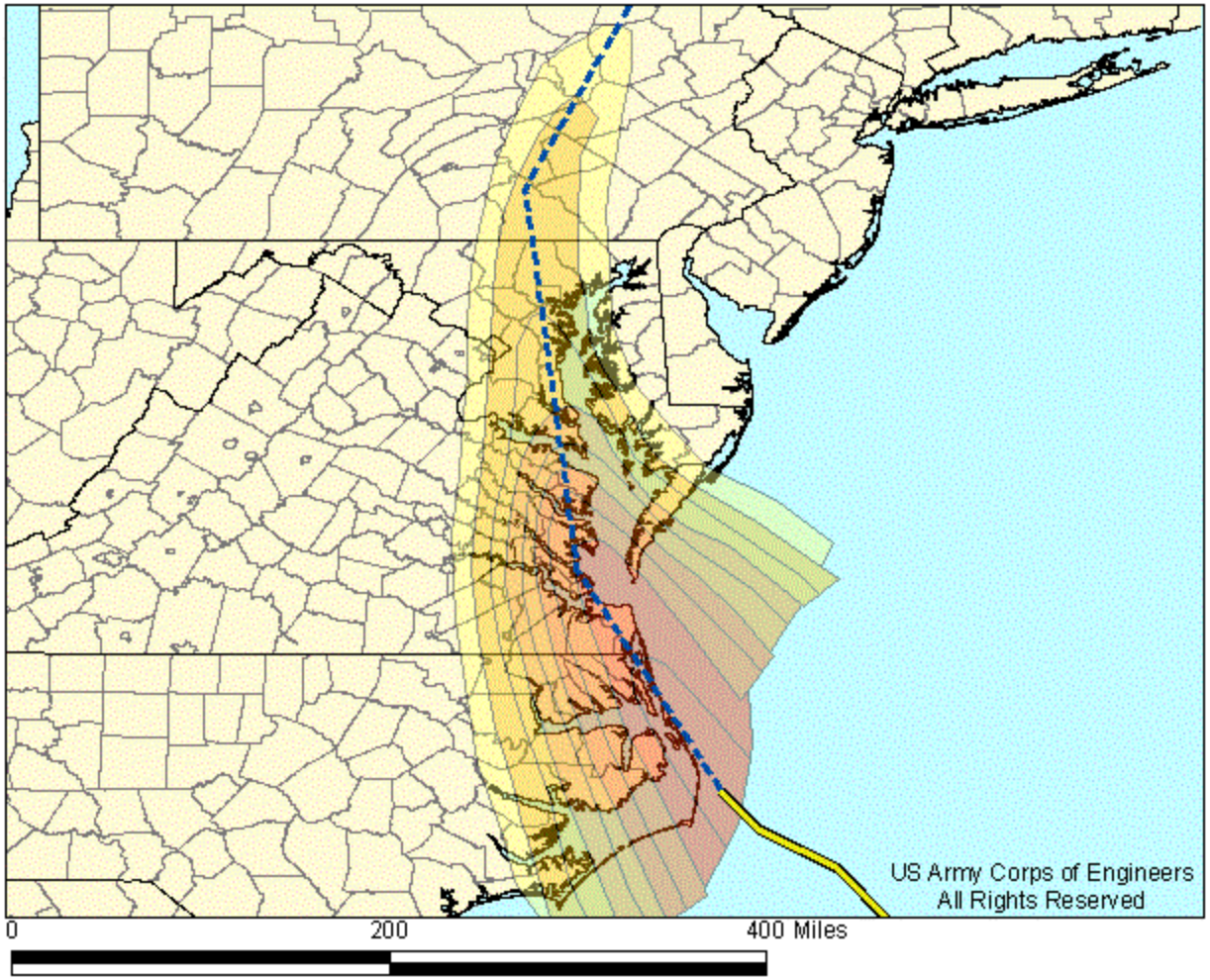
Hurricane Zoe 2008 Projected Damage Areas

Landfall Has Occurred

US Army Corps of Engineers

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 4 storm making landfall on North Carolina coast.

Forecast Track
Historic Track

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast. These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

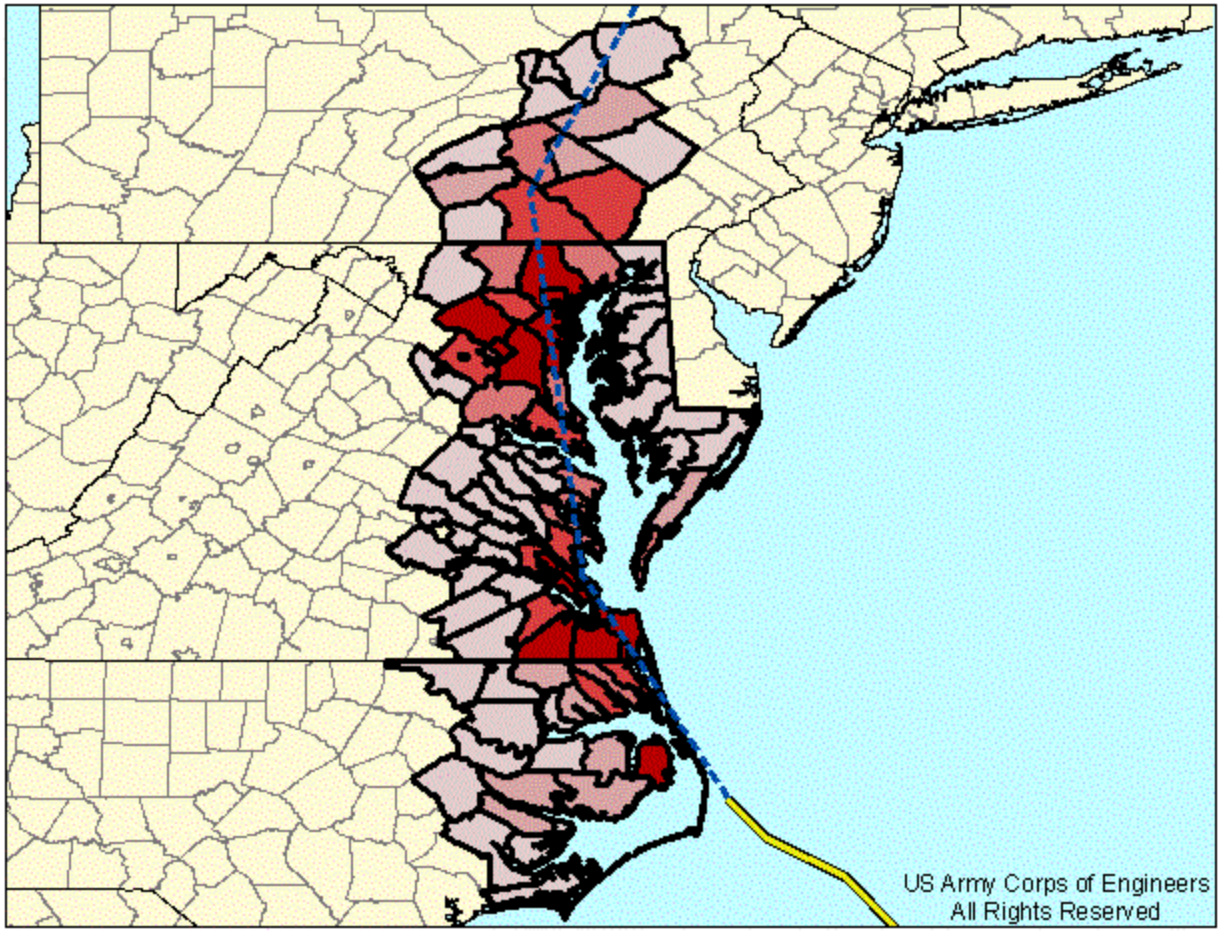
Hurricane Zoe 2008 Projected Damage Areas	
Generated By: siemsen, LRL 1200 EDT 05/07/2008	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 25

US Army Corps of Engineers

Hurricane Zoe 2008 Debris Model

Landfall Has Occurred

For Planning Purposes Only!



Post Landfall Debris Model Results

Virginia - 55,506,000 Yards
Maryland - 12,736,000 Yards
North Carolina - 5,204,000 Yards
Pennsylvania - 2,644,000 Yards
District of Columbia - 1,384,000 Yards

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

Forecast Track
Historic Track

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast. These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Debris Model	
Generated By: siemsen, LRL 1200 EDT 05/07/2008	
Sources: HURREVAC LRL-DEBRIS	Page 2 of 25

US Army Corps of Engineers

Hurricane Zoe 2008 Debris Model

Landfall Has Occurred

For Planning Purposes Only!

State	Yards per State	County	Yards per County
District of Columbia		District of Columbia	1,384,000
District of Columbia	1,384,000		
Maryland		Anne Arundel	1,789,000
		Baltimore	2,239,000
		Baltimore City	1,871,000
		Calvert	389,000
		Caroline	< 1,000
		Carroll	298,000
		Cecil	3,000
		Charles	373,000
		Dorchester	60,000
		Frederick	15,000
		Harford	303,000
		Howard	735,000
		Kent	7,000
		Montgomery	1,514,000
		Prince George's	2,449,000
		Queen Anne's	44,000
		Somerset	39,000
		St Mary's	535,000
		Talbot	57,000
		Wicomico	7,000
		Worcester	9,000
Maryland	12,736,000		
North Carolina		Beaufort	102,000
		Bertie	70,000
		Camden	329,000
		Carteret	95,000
		Chowan	100,000

State	Yards per State	County	Yards per County
North Carolina		Craven	30,000
(continued)		Currituck	983,000
		Dare	1,686,000
		Gates	120,000
		Hertford	76,000
		Hyde	148,000
		Martin	28,000
		Northampton	8,000
		Pamlico	35,000
		Pasquotank	935,000
		Perquimans	223,000
		Pitt	< 1,000
		Tyrrell	155,000
		Washington	81,000
North Carolina	5,204,000		
Pennsylvania		Adams	54,000
		Berks	28,000
		Columbia	70,000
		Cumberland	126,000
		Dauphin	409,000
		Lancaster	507,000
		Lebanon	233,000
		Luzerne	72,000
		Montour	14,000
		Northumberland	71,000
		Perry	4,000
		Schuylkil	178,000
		York	878,000

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Zoe 2008 Debris Model

Generated By:
siemsen, LRL 1200 EDT 05/07/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Debris Model

Landfall Has Occurred

For Planning Purposes Only!

State	Yards per State	County	Yards per County
Pennsylvania	2,644,000		
(continued)			
Virginia		Accomack	145,000
		Alexandria city	346,000
		Arlington	399,000
		Caroline	10,000
		Charles City	25,000
		Chesapeake city	7,304,000
		Chesterfield	6,000
		Essex	55,000
		Fairfax	768,000
		Falls Church city	18,000
		Franklin City	35,000
		Gloucester	996,000
		Hampton City	5,349,000
		Hanover	34,000
		Henrico	49,000
		Hopewell City	35,000
		Isle Of Wight	542,000
		James City	814,000
		King And Queen	78,000
		King George	32,000
		King William	54,000
		Lancaster	315,000
		Mathews	311,000
		Middlesex	292,000
		New Kent	61,000
		Newport News city	931,000
		Norfolk City	10,123,000
		Northampton	299,000
		Northumberland	304,000

State	Yards per State	County	Yards per County
Virginia		Petersburg city	< 1,000
(continued)		Poquoson City	429,000
		Portsmouth city	3,182,000
		Prince George	37,000
		Prince William	15,000
		Richmond	83,000
		Southampton	57,000
		Suffolk City	1,508,000
		Surry	72,000
		Sussex	28,000
		Virginia Beach city	18,615,000
		Westmoreland	89,000
		Williamsburg city	216,000
		York	1,445,000
Virginia	55,506,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Zoe 2008 Debris Model

Generated By:
siemsen, LRL 1200 EDT 05/07/2008

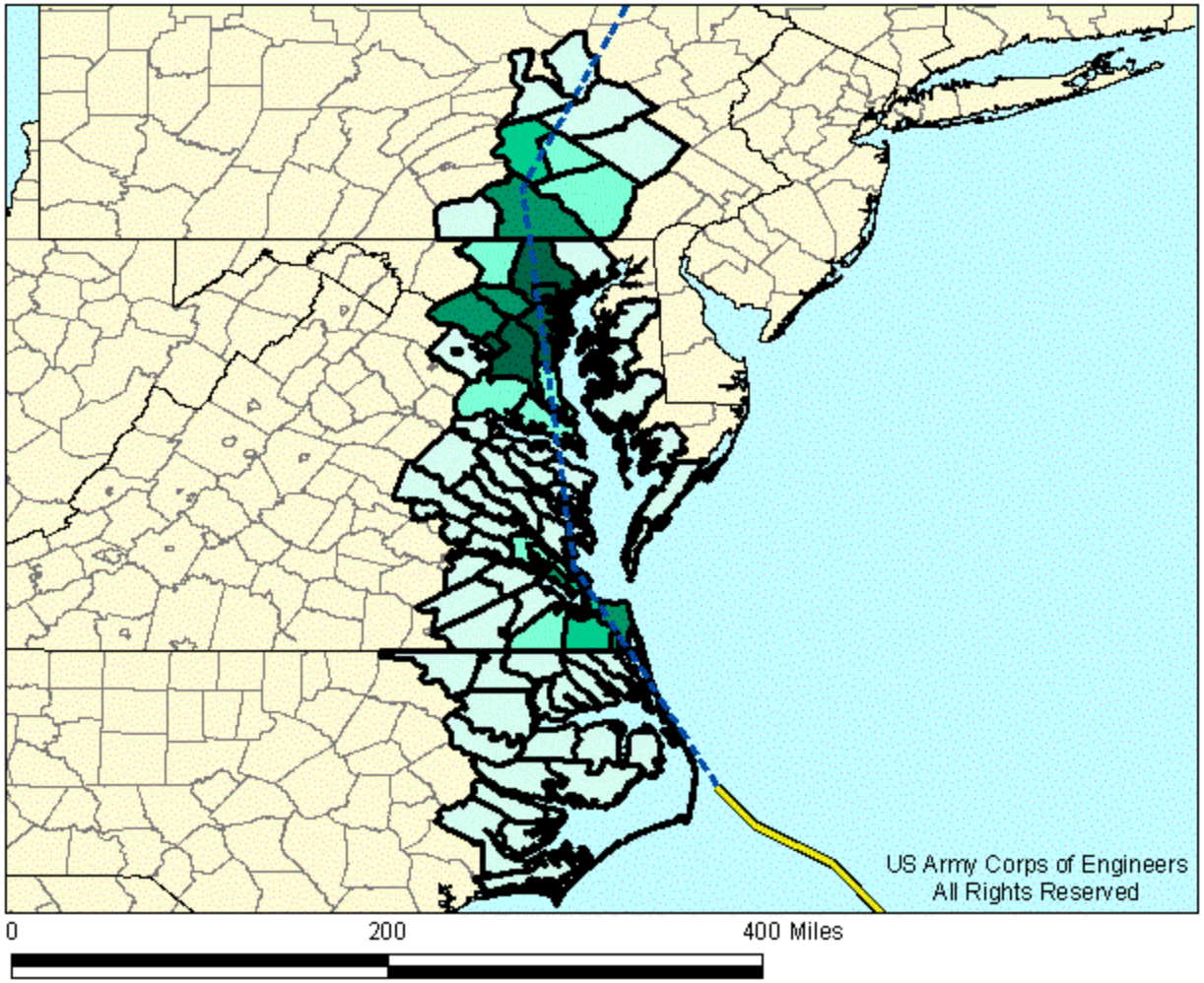
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Commodities Model

Landfall Has Occurred

For Planning Purposes Only!



Post Landfall Water Model Results

Day One / Day Two / Day Three

MD – 78/156/312 Truckloads
VA – 40/81/162 Truckloads
PA – 17/34/68 Truckloads
DC – 11/22/43 Truckloads
NC – 8/15/30 Truckloads

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

Forecast Track
Historic Track

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast These projections are based on information from the NHC ***(1100 EDT 05/07/2008)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Commodities Model

Generated By:
siemsen, LRL 1200 EDT 05/07/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Commodities Model

Landfall Has Occurred

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
District of Columbia		District of Columbia	43
District of Columbia	43		
Maryland		Anne Arundel	41
		Baltimore	63
		Baltimore City	51
		Calvert	8
		Carroll	10
		Charles	10
		Dorchester	2
		Harford	3
		Howard	22
		Montgomery	23
		Prince George's	68
		Queen Anne's	1
		Somerset	1
		St Mary's	8
		Talbot	1
Maryland	312		
North Carolina		Beaufort	2
		Bertie	2
		Camden	1
		Carteret	2
		Chowan	2
		Craven	1
		Currituck	2
		Dare	3
		Gates	1
		Hertford	2
		Hyde	1

State	Truckloads per State	County	Truckloads per County
North Carolina		Martin	1
(continued)		Northampton	1
		Pamlico	1
		Pasquotank	4
		Perquimans	1
		Tyrrell	1
		Washington	2
North Carolina	30		
Pennsylvania		Adams	1
		Berks	1
		Columbia	1
		Dauphin	12
		Lancaster	10
		Lebanon	9
		Northumberland	1
		Schuylkill	3
		York	30
Pennsylvania	68		
Virginia		Accomack	3
		Alexandria city	5
		Arlington	3
		Caroline	1
		Charles City	1
		Chesapeake city	18
		Essex	1
		Fairfax	4
		Franklin City	1

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Zoe 2008 Commodities Model

Generated By:
siemsen, LRL 1200 EDT 05/07/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Commodities Model

Landfall Has Occurred

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
Virginia		Gloucester	4
(continued)		Hampton City	12
		Hanover	1
		Henrico	1
		Isle Of Wight	3
		James City	5
		King And Queen	1
		King George	1
		King William	1
		Lancaster	1
		Mathews	1
		Middlesex	1
		New Kent	2
		Newport News city	3
		Norfolk City	19
		Northampton	2
		Northumberland	2
		Poquoson City	1
		Portsmouth city	9
		Prince George	1
		Richmond	1
		Southampton	1
		Suffolk City	7
		Surry	1
		Sussex	1
		Virginia Beach city	35
		Westmoreland	2
		Williamsburg city	1
		York	5
Virginia	162		

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

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or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Zoe 2008 Commodities Model

Generated By:
siemsen, LRL 1200 EDT 05/07/2008

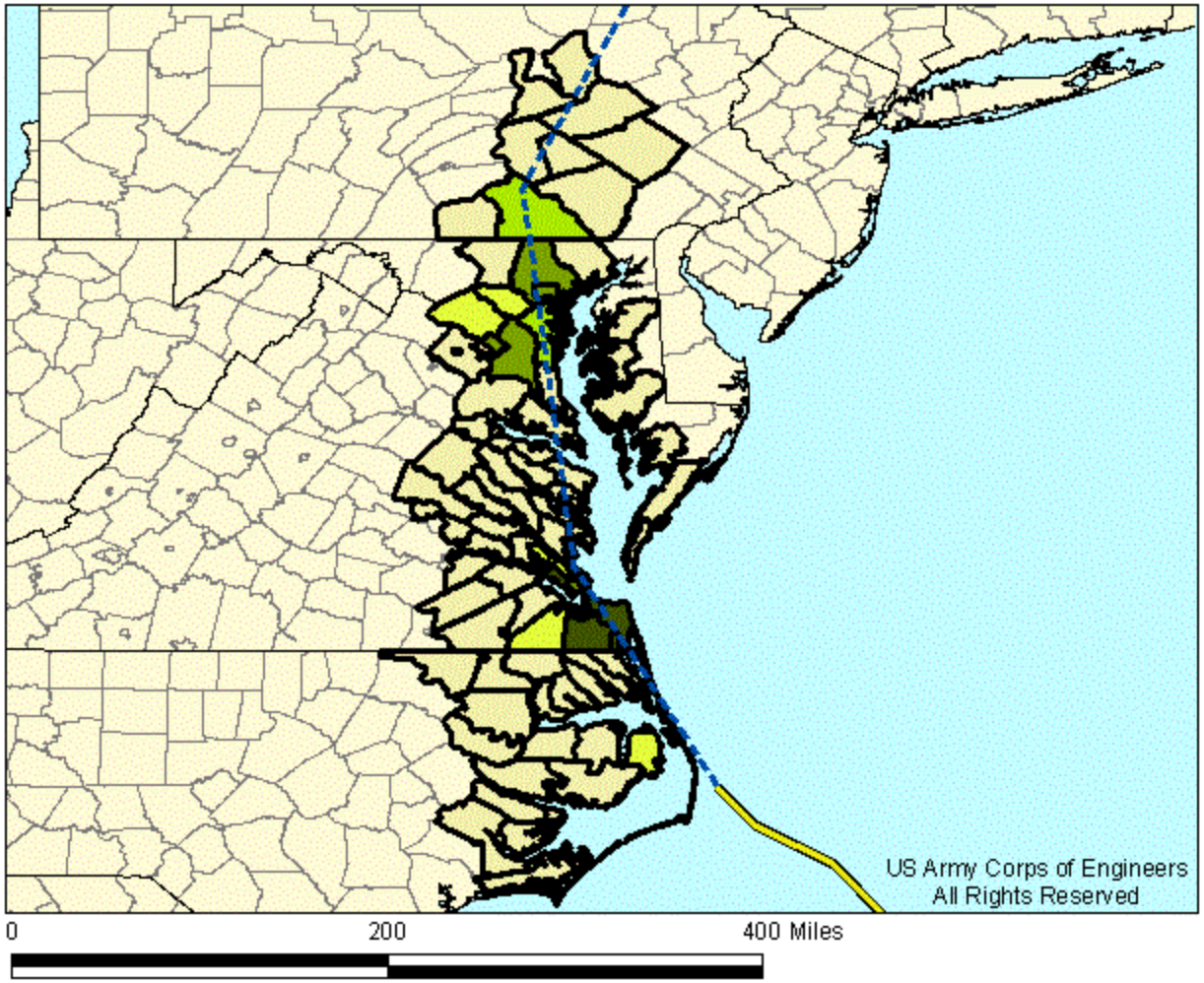
Sources:
HURREVAC
LRL-DEBRIS

Hurricane Zoe 2008 Temporary Roofing Model

US Army Corps of Engineers

Landfall Has Occurred

For Planning Purposes Only!



Post Landfall Temporary Roofing Model Results

Virginia - 80,200
Maryland - 44,300
Pennsylvania - 9,400
North Carolina - 8,600
District of Columbia - 6,900

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

Forecast Track
Historic Track

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast. These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast. Temporary roofing is based on 3% in CAT 1, 6% in CAT 2, 10% in CAT 3 and 16% in CAT 4.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Roofing Model	
Generated By: siemsen, LRL 1200 EDT 05/07/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Zoe 2008 Temporary Roofing Model

Landfall Has Occurred

For Planning Purposes Only!

State	House Units per State	County	House Units per County
District of Columbia		District of Columbia	6,900
District of Columbia	6,900		
Maryland		Anne Arundel	5,600
		Baltimore	9,400
		Baltimore City	7,600
		Calvert	1,200
		Carroll	1,300
		Charles	1,300
		Dorchester	200
		Harford	400
		Howard	2,900
		Montgomery	3,300
		Prince George's	9,100
		Queen Anne's	200
		Somerset	< 100
		St Mary's	1,800
		Talbot	< 100
Maryland	44,300		
North Carolina		Beaufort	200
		Bertie	200
		Camden	500
		Carteret	300
		Chowan	400
		Craven	< 100
		Currituck	1,500
		Dare	2,300
		Gates	300
		Hertford	300
		Hyde	200

State	House Units per State	County	House Units per County
North Carolina		Martin	< 100
(continued)		Northampton	< 100
		Pamlico	< 100
		Pasquotank	1,500
		Perquimans	400
		Tyrrell	200
		Washington	300
North Carolina	8,600		
Pennsylvania		Adams	< 100
		Berks	< 100
		Columbia	< 100
		Dauphin	1,700
		Lancaster	1,400
		Lebanon	1,300
		Northumberland	200
		Schuylkill	400
		York	4,400
Pennsylvania	9,400		
Virginia		Accomack	500
		Alexandria city	800
		Arlington	500
		Caroline	< 100
		Charles City	< 100
		Chesapeake city	10,800
		Essex	200
		Fairfax	700
		Franklin City	200

Temporary roofing is based on 3% in CAT 1, 6% in CAT 2, 10% in CAT 3 and 16% in CAT 4.

Details about this model may be obtained at http://www.englink.usace.army.mil
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Hurricane Zoe 2008 Roofing Model

Generated By:
siemsen, LRL 1200 EDT 05/07/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Temporary Roofing Model

Landfall Has Occurred

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Virginia		Gloucester	1,500
(continued)		Hampton City	7,300
		Hanover	< 100
		Henrico	< 100
		Isle Of Wight	1,100
		James City	1,700
		King And Queen	200
		King George	< 100
		King William	200
		Lancaster	500
		Mathews	500
		Middlesex	500
		New Kent	300
		Newport News city	1,300
		Norfolk City	13,500
		Northampton	600
		Northumberland	600
		Poquoson City	700
		Portsmouth city	4,300
		Prince George	< 100
		Richmond	200
		Southampton	200
		Suffolk City	2,700
		Surry	200
		Sussex	< 100
		Virginia Beach city	25,400
		Westmoreland	300
		Williamsburg city	400
		York	2,300
Virginia	80,200		

Temporary roofing is based on 3% in CAT 1, 6% in CAT 2, 10% in CAT 3 and 16% in CAT 4.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Zoe 2008 Roofing Model

Generated By:
siemsen, LRL 1200 EDT 05/07/2008

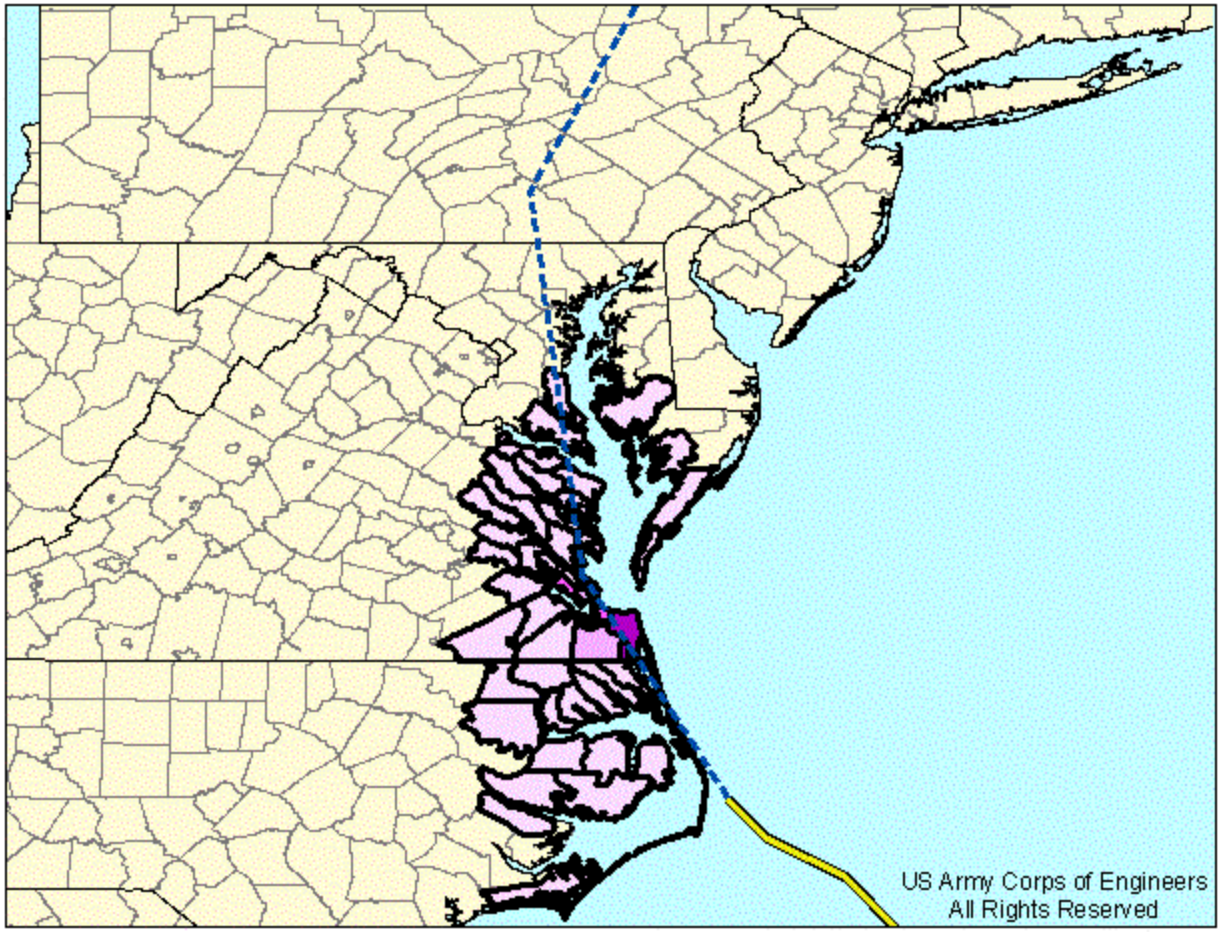
Sources:
HURREVAC
LRL-DEBRIS

Hurricane Zoe 2008 Temporary Housing Model

US Army Corps of Engineers

Landfall Has Occurred

For Planning Purposes Only!



Post Landfall Temporary Housing Model Results

Virginia - 26,900
North Carolina - 2,200
Maryland - 300

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

Forecast Track
Historic Track

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast. These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast. Temporary housing is based on 1% in CAT 2, 3% in CAT 3 and 6% in CAT 4.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Housing Model	
Generated By: siemsen, LRL 1200 EDT 05/07/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Zoe 2008 Temporary Housing Model

Landfall Has Occurred

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Maryland		Calvert	< 100
		Dorchester	< 100
		Somerset	< 100
		St Mary's	300
Maryland	300		
North Carolina		Beaufort	< 100
		Bertie	< 100
		Camden	200
		Carteret	< 100
		Chowan	< 100
		Currituck	600
		Dare	900
		Gates	< 100
		Hertford	< 100
		Hyde	< 100
		Pasquotank	500
		Perquimans	< 100
		Tyrrell	< 100
		Washington	< 100
North Carolina	2,200		
Virginia		Accomack	< 100
		Charles City	< 100
		Chesapeake city	3,900
		Essex	< 100
		Gloucester	500
		Hampton City	2,600
		Isle Of Wight	300
		James City	400
		King And Queen	< 100

State	House Units per State	County	House Units per County
Virginia		King William	< 100
(continued)		Lancaster	200
		Mathews	200
		Middlesex	200
		New Kent	< 100
		Newport News city	400
		Norfolk City	5,100
		Northampton	200
		Northumberland	200
		Poquoson City	300
		Portsmouth city	1,400
		Richmond	< 100
		Southampton	< 100
		Suffolk City	800
		Surry	< 100
		Virginia Beach city	9,500
		Westmoreland	< 100
		Williamsburg city	< 100
		York	700
Virginia	26,900		

Temporary housing is based on 1% in CAT 2, 3% in CAT 3 and 6% in CAT 4.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Zoe 2008 Housing Model

Generated By:
siemsen, LRL 1200 EDT 05/07/2008

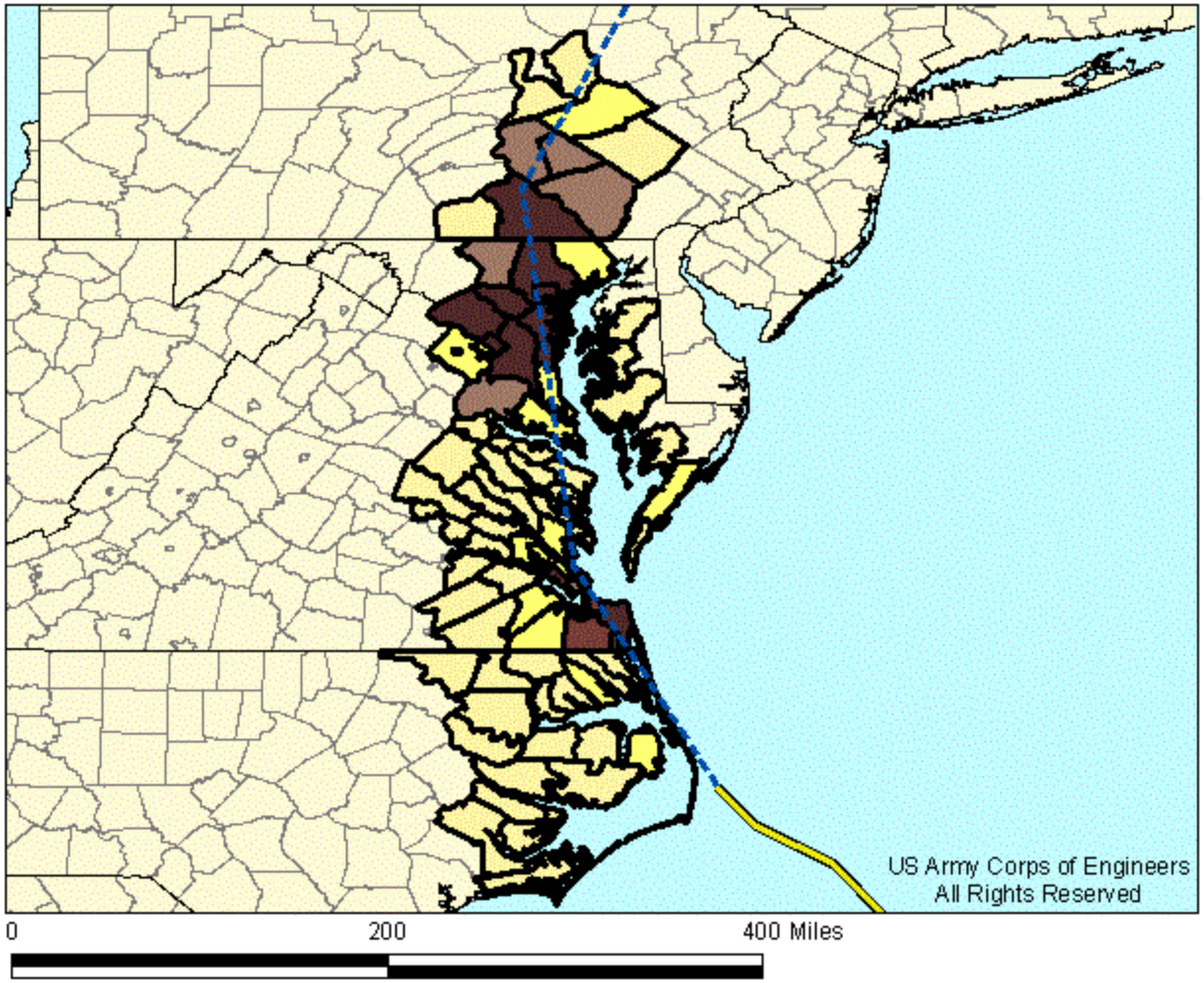
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Population Model

Landfall Has Occurred

For Planning Purposes Only!



Post Landfall Population Model Results

Maryland - 3,825,000
Virginia - 1,821,000
Pennsylvania - 784,000
District of Columbia - 531,000
North Carolina - 255,000

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

Forecast Track
Historic Track

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast. These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2006 values).

Details about this model may be obtained at http://www.englinkusace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Population Model	
Generated By: siemsen, LRL 1200 EDT 05/07/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Zoe 2008 Population Model

Landfall Has Occurred

For Planning Purposes Only!

State	Population per State	County	Population per County
District of Columbia		District of Columbia	531,000
District of Columbia	531,000		
Maryland		Anne Arundel	511,000
		Baltimore	783,000
		Baltimore City	636,000
		Calvert	89,000
		Carroll	115,000
		Charles	122,000
		Dorchester	13,000
		Harford	37,000
		Howard	264,000
		Montgomery	288,000
		Prince George's	841,000
		Queen Anne's	12,000
		Somerset	8,000
		St Mary's	99,000
		Talbot	7,000
Maryland	3,825,000		
North Carolina		Beaufort	15,000
		Bertie	14,000
		Camden	10,000
		Carteret	18,000
		Chowan	15,000
		Craven	3,000
		Currituck	24,000
		Dare	34,000
		Gates	12,000
		Hertford	21,000
		Hyde	6,000

State	Population per State	County	Population per County
North Carolina		Martin	3,000
(continued)		Northampton	< 1,000
		Pamlico	8,000
		Pasquotank	40,000
		Perquimans	13,000
		Tyrrell	5,000
		Washington	14,000
North Carolina	255,000		
Pennsylvania		Adams	< 1,000
		Berks	2,000
		Columbia	< 1,000
		Dauphin	139,000
		Lancaster	118,000
		Lebanon	104,000
		Northumberland	12,000
		Schuylkill	34,000
		York	375,000
Pennsylvania	784,000		
Virginia		Accomack	26,000
		Alexandria city	57,000
		Arlington	32,000
		Caroline	< 1,000
		Charles City	7,000
		Chesapeake city	221,000
		Essex	11,000
		Fairfax	47,000
		Franklin City	9,000

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Zoe 2008 Population Model

Generated By:
siemsen, LRL 1200 EDT 05/07/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Population Model

Landfall Has Occurred

For Planning Purposes Only!

State	Population per State	County	Population per County
Virginia		Gloucester	39,000
(continued)		Hampton City	146,000
		Hanover	2,000
		Henrico	< 1,000
		Isle Of Wight	35,000
		James City	60,000
		King And Queen	7,000
		King George	8,000
		King William	10,000
		Lancaster	12,000
		Mathews	10,000
		Middlesex	11,000
		New Kent	16,000
		Newport News city	30,000
		Norfolk City	229,000
		Northampton	14,000
		Northumberland	13,000
		Poquoson City	12,000
		Portsmouth city	102,000
		Prince George	7,000
		Richmond	10,000
		Southampton	13,000
		Suffolk City	82,000
		Surry	8,000
		Sussex	7,000
		Virginia Beach city	436,000
		Westmoreland	18,000
		Williamsburg city	12,000
		York	62,000
Virginia	1,821,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

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Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Zoe 2008 Population Model

Generated By:
siemsen, LRL 1200 EDT 05/07/2008

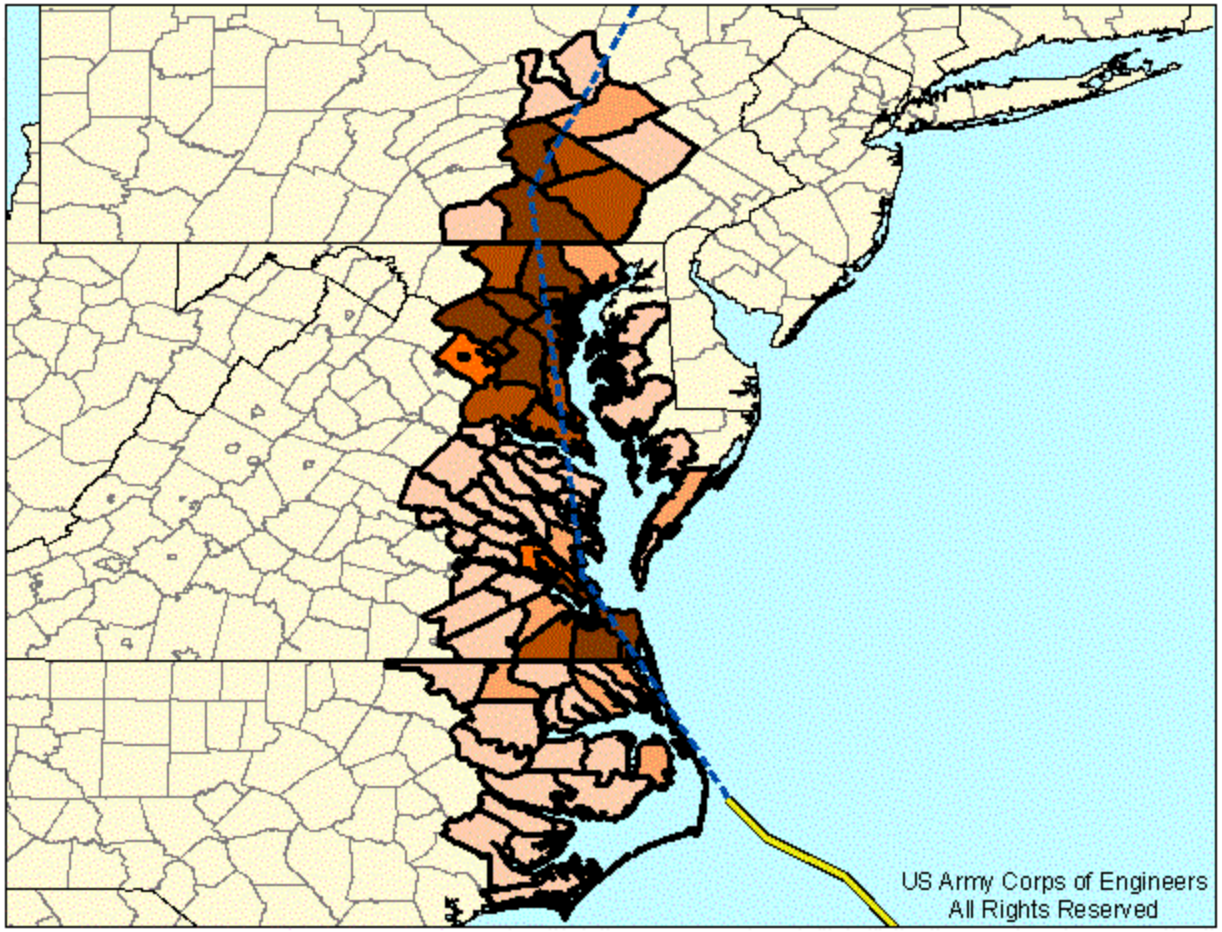
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Households Model

Landfall Has Occurred

For Planning Purposes Only!



Post Landfall Households Model Results

Maryland - 1,438,000
Virginia - 696,500
Pennsylvania - 309,000
District of Columbia - 230,000
North Carolina - 105,000

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

Forecast Track
Historic Track

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2006 values).

Details about this model may be obtained at http://www.englinkusace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Households Model	
Generated By: siemsen, LRL 1200 EDT 05/07/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Zoe 2008 Households Model

Landfall Has Occurred

For Planning Purposes Only!

State	Households per State	County	Households per County
District of Columbia		District of Columbia	230,000
District of Columbia	230,000		
Maryland		Anne Arundel	187,000
		Baltimore	312,000
		Baltimore City	252,000
		Calvert	31,000
		Carroll	41,000
		Charles	42,000
		Dorchester	6,000
		Harford	13,000
		Howard	97,000
		Montgomery	107,000
		Prince George's	301,000
		Queen Anne's	5,000
		Somerset	4,000
		St Mary's	36,000
		Talbot	4,000
Maryland	1,438,000		
North Carolina		Beaufort	6,000
		Bertie	6,000
		Camden	4,000
		Carteret	8,000
		Chowan	6,000
		Craven	< 1,000
		Currituck	10,000
		Dare	15,000
		Gates	5,000
		Hertford	9,000
		Hyde	2,000

State	Households per State	County	Households per County
North Carolina		Martin	2,000
(continued)		Northampton	< 1,000
		Pamlico	3,000
		Pasquotank	15,000
		Perquimans	6,000
		Tyrrell	2,000
		Washington	6,000
North Carolina	105,000		
Pennsylvania		Adams	< 1,000
		Berks	< 1,000
		Columbia	< 1,000
		Dauphin	57,000
		Lancaster	45,000
		Lebanon	41,000
		Northumberland	6,000
		Schuylkil	14,000
		York	146,000
Pennsylvania	309,000		
Virginia		Accomack	11,000
		Alexandria city	27,000
		Arlington	17,000
		Caroline	< 1,000
		Charles City	3,000
		Chesapeake city	78,000
		Essex	5,000
		Fairfax	21,000
		Franklin City	4,000

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Zoe 2008 Households Model

Generated By:
siemsen, LRL 1200 EDT 05/07/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Households Model

Landfall Has Occurred

For Planning Purposes Only!

State	Households per State	County	Households per County
Virginia		Gloucester	15,000
(continued)		Hampton City	54,000
		Hanover	< 1,000
		Henrico	< 1,000
		Isle Of Wight	14,000
		James City	24,000
		King And Queen	3,000
		King George	3,000
		King William	4,000
		Lancaster	5,000
		Mathews	4,000
		Middlesex	5,000
		New Kent	6,000
		Newport News city	12,500
		Norfolk City	85,000
		Northampton	6,000
		Northumberland	6,000
		Poquoson City	5,000
		Portsmouth city	39,000
		Prince George	2,000
		Richmond	4,000
		Southampton	5,000
		Suffolk City	30,000
		Surry	3,000
		Sussex	3,000
		Virginia Beach city	159,000
		Westmoreland	8,000
		Williamsburg city	4,000
		York	22,000
Virginia	696,500		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

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Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Zoe 2008 Households Model

Generated By:
siemsen, LRL 1200 EDT 05/07/2008

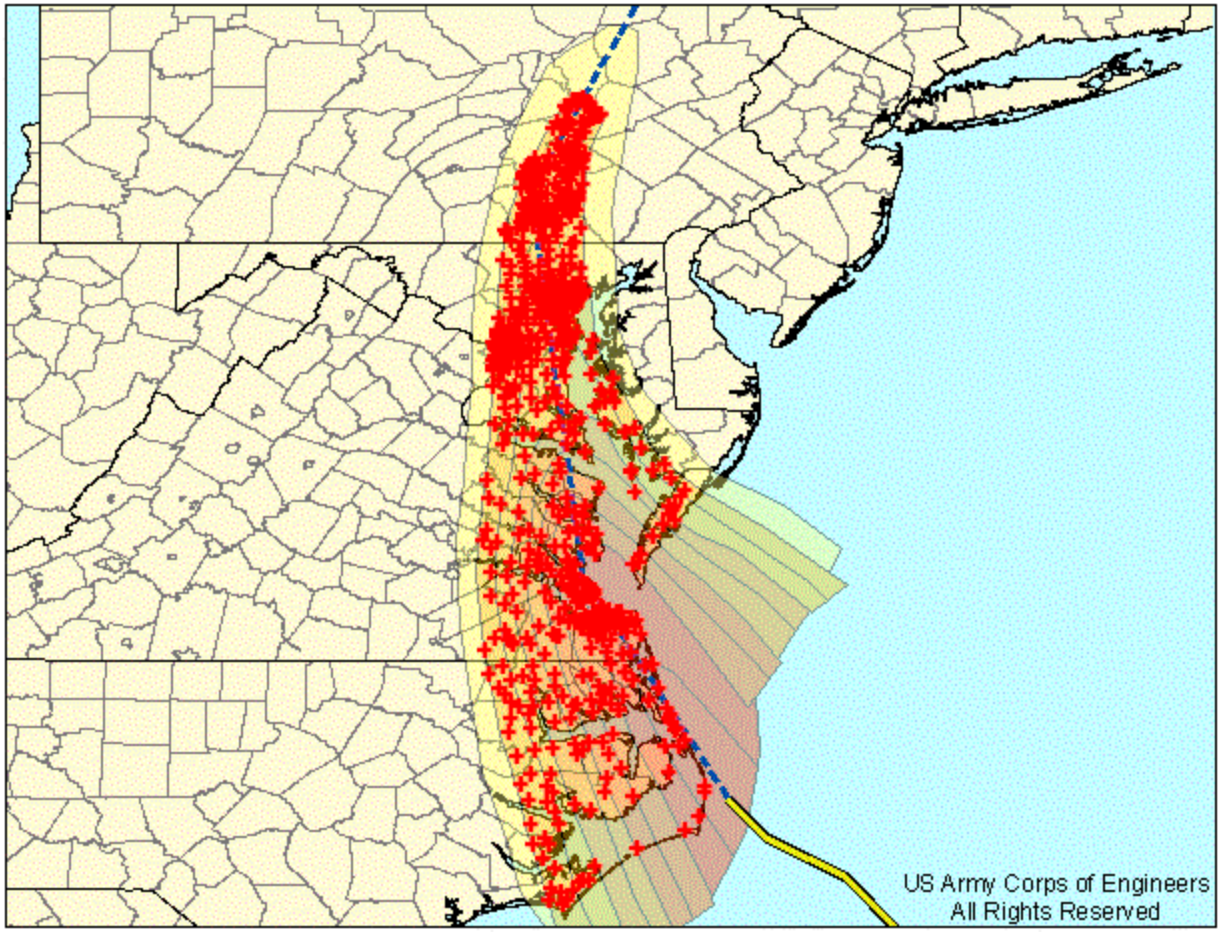
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Fire Stations

Landfall Has Occurred

For Planning Purposes Only!



0 200 400 Miles

Most Probable Landfall Fire Stations Inside Hurricane Force Winds

Maryland - 258
Virginia - 179
Pennsylvania - 170
North Carolina - 102
District of Columbia - 32

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

+ Fire Stations
Forecast Track
Historic Track

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast. These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast.

The number of fire stations included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englinkusace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

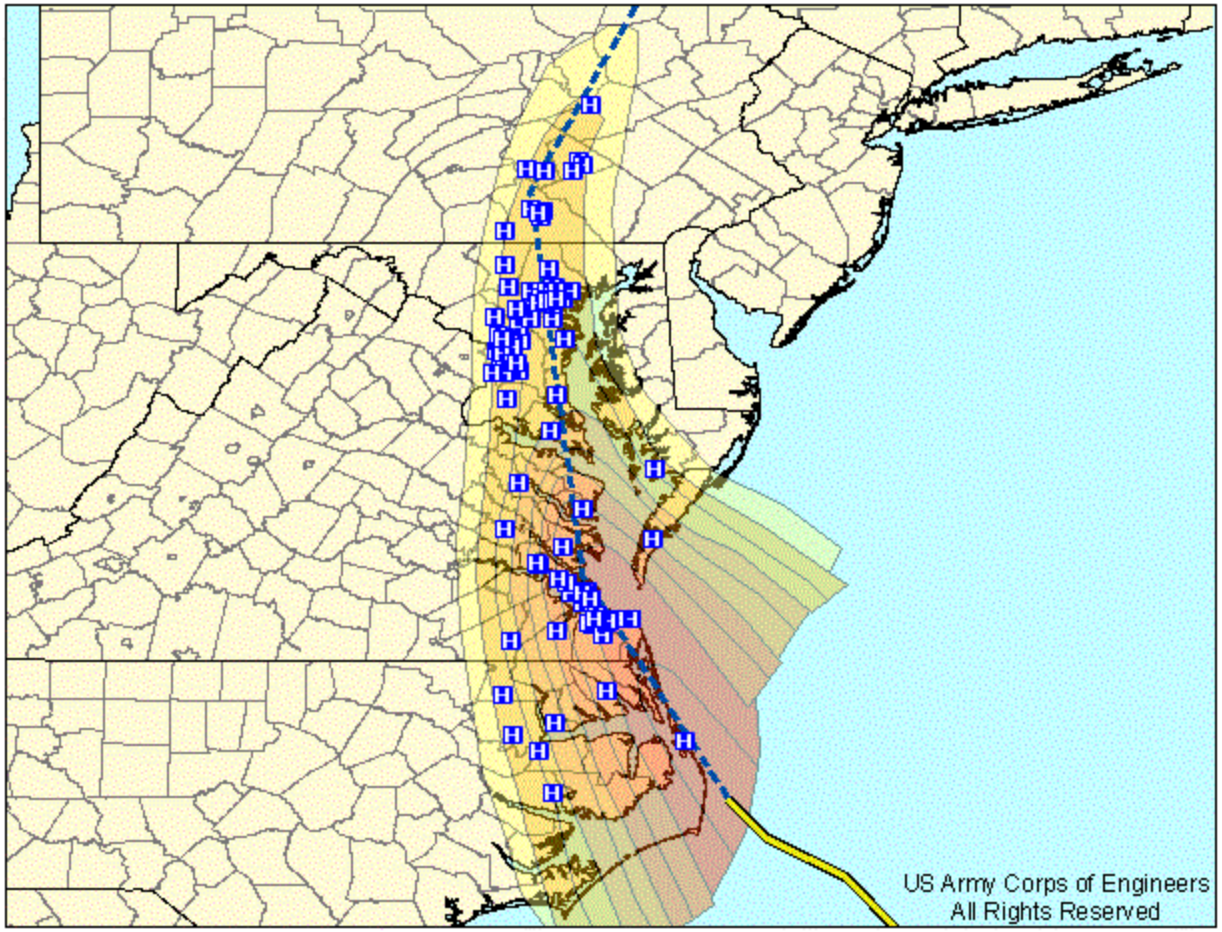
Hurricane Zoe 2008 Fire Stations	
Generated By: siemsen, LRL 1200 EDT 05/07/2008	
Sources: HURREVAC LRL-DEBRIS	Page 19 of 25

US Army Corps of Engineers

Hurricane Zoe 2008 Hospitals

Landfall Has Occurred

For Planning Purposes Only!



Most Probable Landfall Hospitals Inside Hurricane Force Winds

Maryland - 49
Virginia - 35
District of Columbia - 14
Pennsylvania - 12
North Carolina - 7

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

Hospitals
Forecast Track
Historic Track

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast. These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast.

The number of hospitals included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englinkusace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

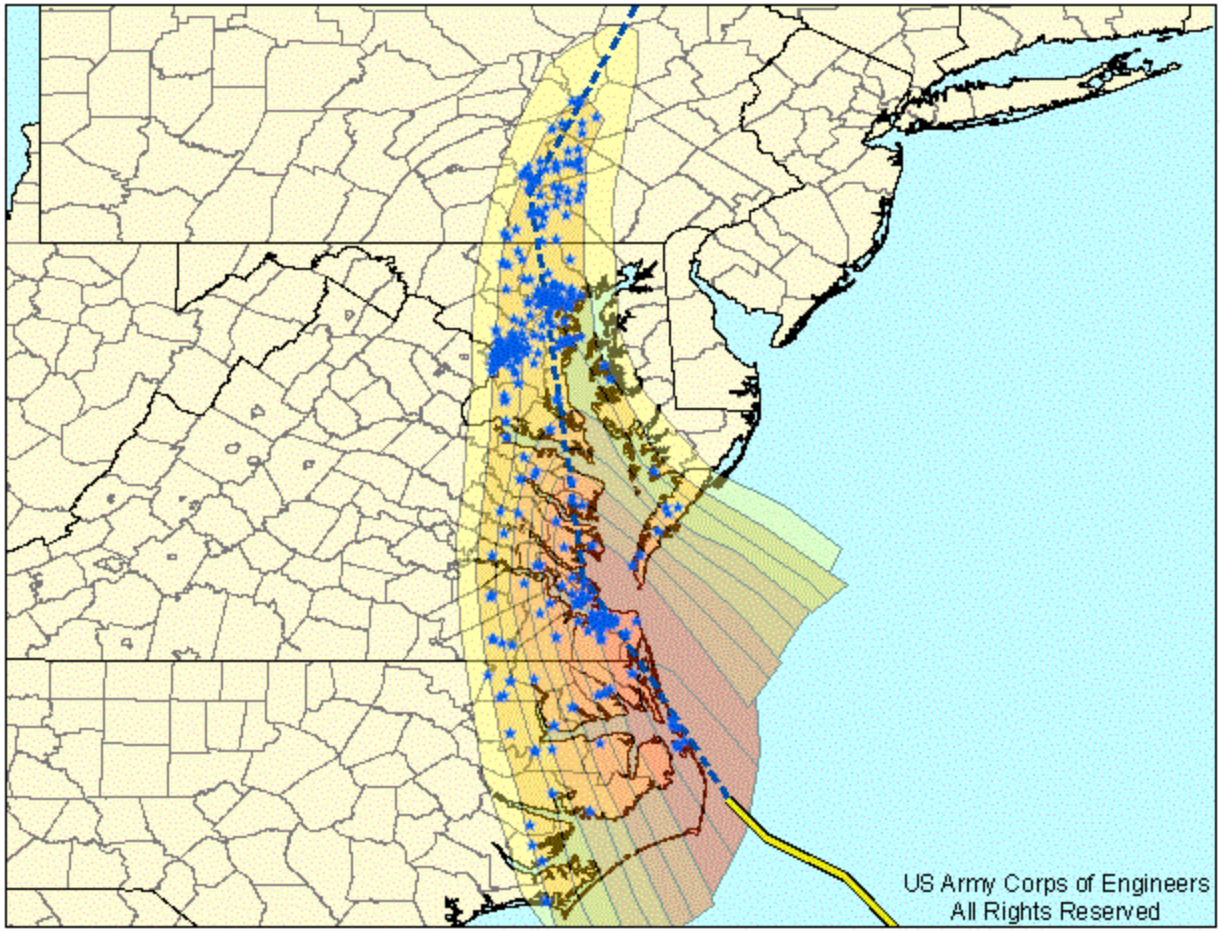
Hurricane Zoe 2008 Hospitals	
Generated By: siemsen, LRL 1200 EDT 05/07/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Zoe 2008 Law Enforcement

Landfall Has Occurred

For Planning Purposes Only!



Most Probable Landfall Law Enforcement Inside Hurricane Force Winds

Maryland - 127
Virginia - 88
Pennsylvania - 58
North Carolina - 36
District of Columbia - 26

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

Law Enforcement
Forecast Track
Historic Track

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast. These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast.

The number of law enforcement included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

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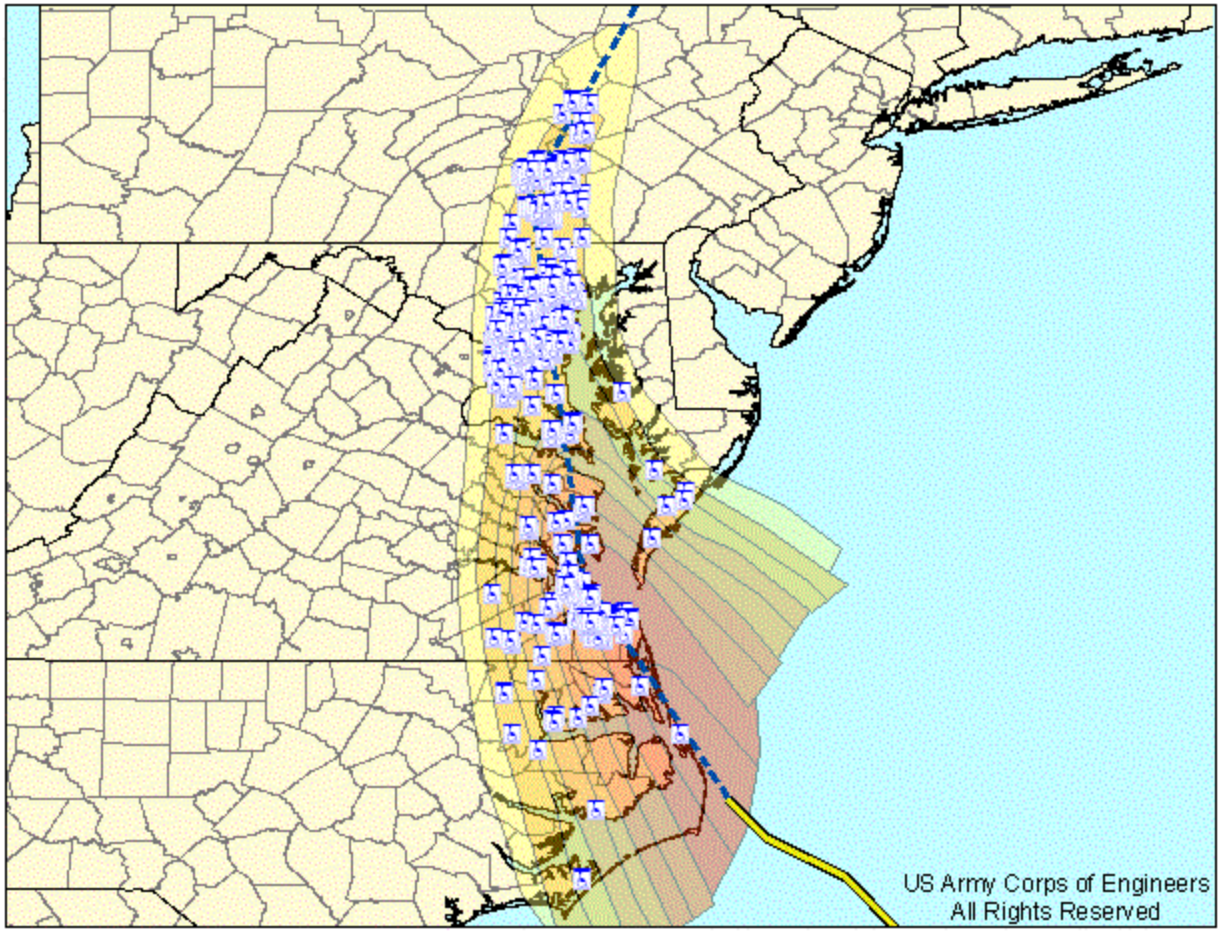
Hurricane Zoe 2008 Law Enforcement	
Generated By: siemsen, LRL 1200 EDT 05/07/2008	
Sources: HURREVAC LRL-DEBRIS	Page 21 of 25

US Army Corps of Engineers

Hurricane Zoe 2008 Nursing Homes

Landfall Has Occurred

For Planning Purposes Only!



Most Probable Landfall Nursing Homes Inside Hurricane Force Winds

Maryland - 454
Virginia - 180
Pennsylvania - 123
District of Columbia - 42
North Carolina - 19

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

Nursing Homes
Forecast Track
Historic Track

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast. These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast.

The number of nursing homes included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

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Hurricane Zoe 2008 Nursing Homes	
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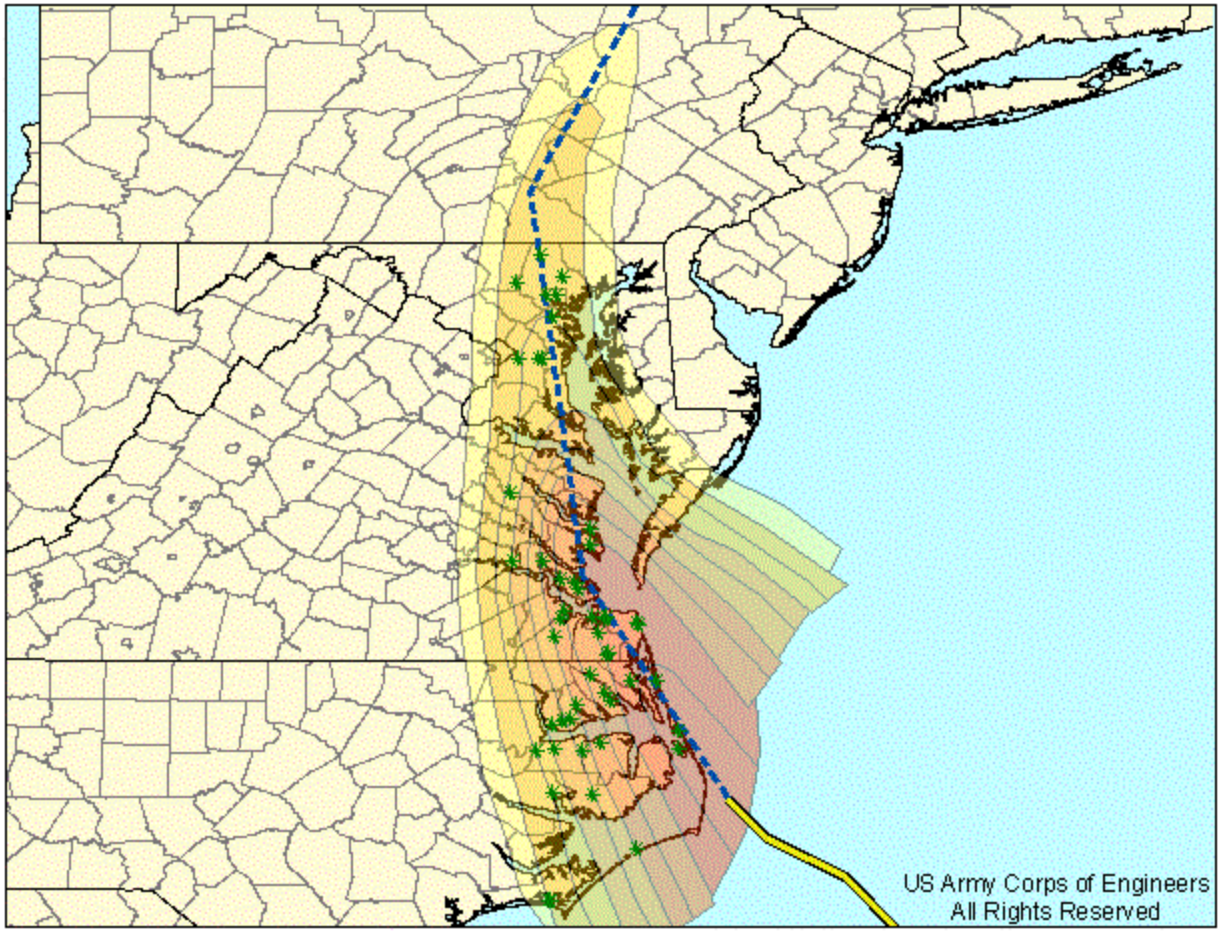
Sources: HURREVAC LRL-DEBRIS	Page 22 of 25

US Army Corps of Engineers

Hurricane Zoe 2008 Potable Water

Landfall Has Occurred

For Planning Purposes Only!



Most Probable Landfall Potable Water Inside Hurricane Force Winds

North Carolina - 22
Virginia - 21
Maryland - 10

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

Potable Water
Forecast Track
Historic Track

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast. These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast.

The number of potable water included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

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Hurricane Zoe 2008 Potable Water	
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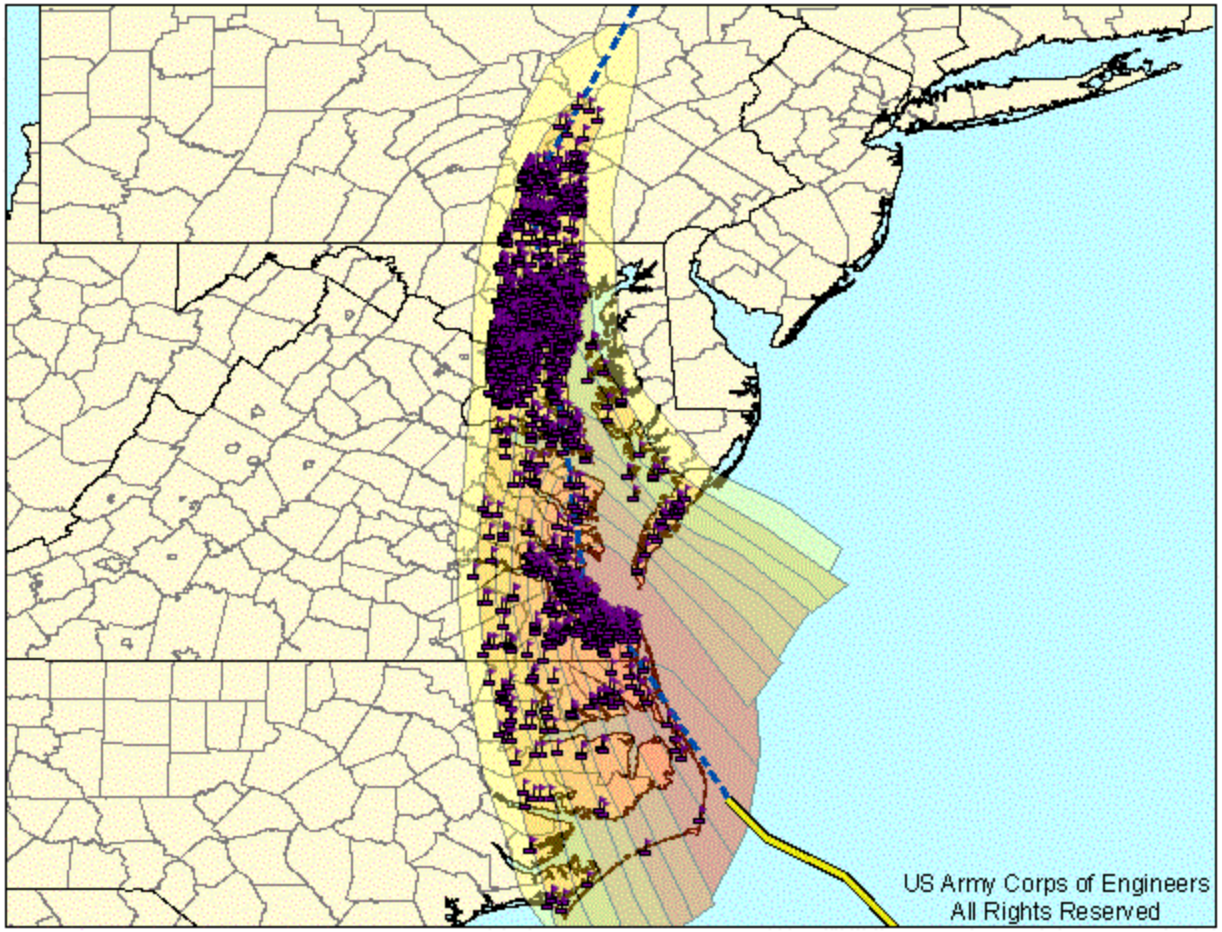
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Zoe 2008 Schools

Landfall Has Occurred

For Planning Purposes Only!



Most Probable Landfall Schools Inside Hurricane Force Winds

Maryland - 1,360
Virginia - 593
Pennsylvania - 255
District of Columbia - 254
North Carolina - 95

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

Schools
Forecast Track
Historic Track

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast. These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast.

The number of schools included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englinkusace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

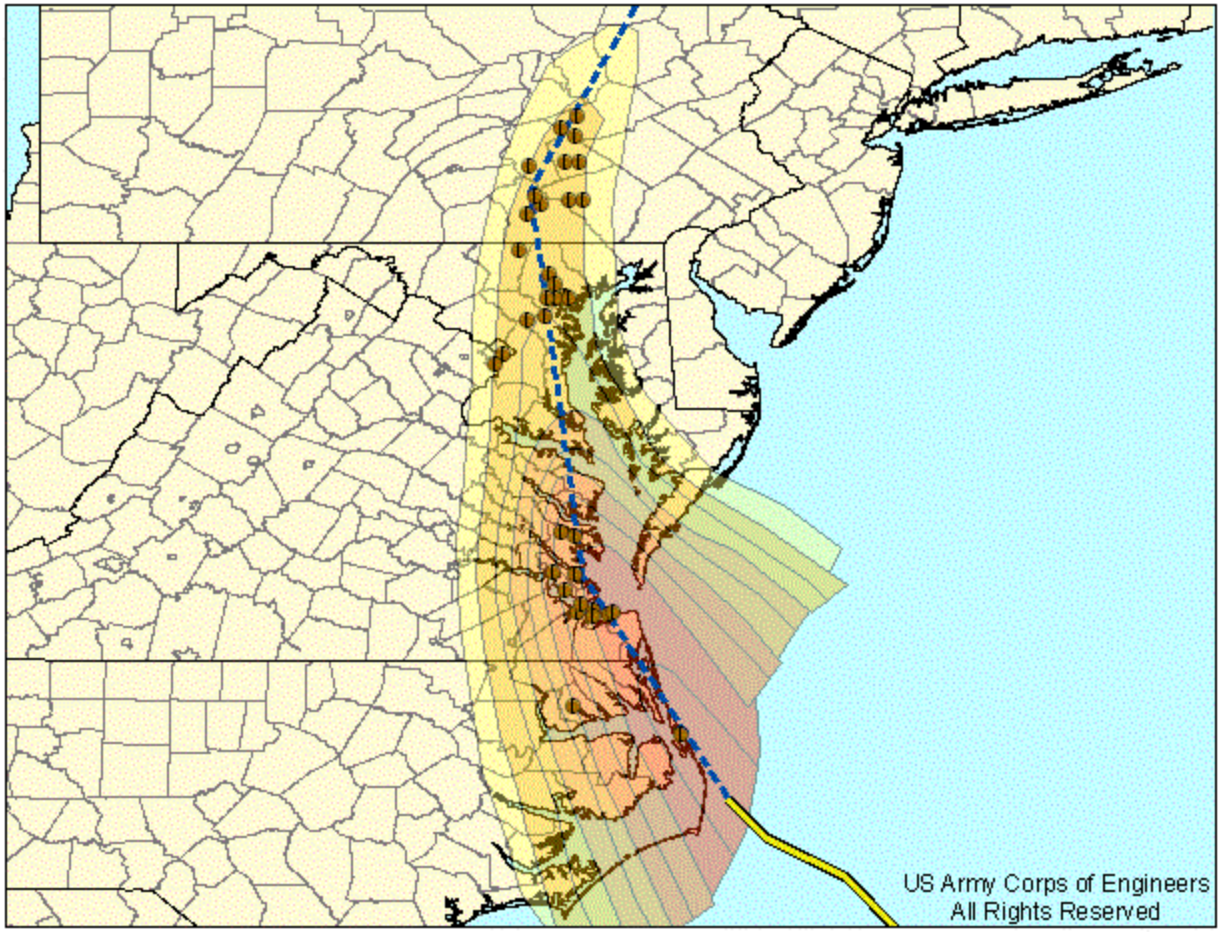
Hurricane Zoe 2008 Schools	
Generated By: siemsen, LRL 1200 EDT 05/07/2008	
Sources: HURREVAC LRL-DEBRIS	

Hurricane Zoe 2008 Sewage Treatment Plants

US Army Corps of Engineers

Landfall Has Occurred

For Planning Purposes Only!



Most Probable Landfall Sewage Treatment Plants Inside Hurricane Force Winds

Virginia - 13
Pennsylvania - 11
Maryland - 9
North Carolina - 2
District of Columbia - 1

Model results per County on following page

This model is based on a Category 4 storm making landfall on North Carolina coast.

Sewage Treatment Plants
Forecast Track
Historic Track

Information provided on this page displays a Category 4 storm making landfall on North Carolina coast. These projections are based on information from the NHC (1100 EDT 05/07/2008) forecast.

The number of sewage treatment plants included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englinkusace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Sewage Treatment Plants	
Generated By: siemsen, LRL 1200 EDT 05/07/2008	
Sources: HURREVAC LRL-DEBRIS	Page 25 of 25